

Project Proposal

Proposal Title: Price River Revegetation

Proposal Number: 1402

DWR Region: Southeastern Region

Lead Agency: FFSL

County: Carbon

Project Manager: Alison McCluskey

PM Phone: 4356133717

Regional Priority: Within Focus Area

Project Type: Terrestrial Habitat

Proposed Start Date: 07/01/2009

Project Location: Project is located in Price, UT along the north exit ramp off of Hwy 6.

Project Description: Revegetate 16 acres of cleared Russian olive and tamarisk along the Price River to establish native wildlife habitat and help prevent potential nonnative plant encroachment in the sensitive riparian zone.

Description of Problem/Need: The Price River corridor is heavily encroached with woody invasives such as Russian olive and tamarisk, reducing the biodiversity in the wildlife habitat. These species also pose a wildfire threat due to high fuel loading and are a cause of many water quality issues such as increased soil salinity.

In the summer of 2007, a Community Wildfire Protection Plan was completed for the city of Price. The parcels of the Price River that run through the city were identified as priority hazardous fuels projects. The Price River Enhancement Steering Committee was created to jump-start these high priority projects. This 16-acre parcel in particular is a highly visible wildland-urban interface demonstration project for Carbon County that was cleared in 2008. It is part of the much larger goal of removing the Russian olive and tamarisk from the towns of Helper to Wellington. Revegetation is the crucial next step to ensure this fuels projects success, and to ensure that the end result of this work creates beneficial habitat improvement.

All resprouting from this project are being mitigated by the Carbon County Weed Department and Price City. Revegetation will include planting nursery stock, salvaged plants and pole and wattle plantings, tube stock as well as seeding. Trees to be used in replanting efforts include cottonwood and willow. The seed mix will include basin wildrye, thickspike wheatgrass, Indian ricegrass, bottlebrush squirreltail, sand dropseed, Alkali sacaton, Lewis flax, gooseberryleaf globemallow, Lemonade bush, and Canada Wildrye. Where appropriate we will use Castleland RC&D's Water Jet Stinger and UDWR's Rangeland Drill.

Objectives: Revegetate 16 acres of cleared Russian olive and tamarisk along the Price River to establish native wildlife habitat and help prevent potential nonnative plant encroachment in the sensitive riparian zone.

Relevance to Strategic Plans: Within the WAP Riparian focus area. This project is associated with the Price River Enhancement Steering Committee who is working with private landowners to removing all Russian olive and tamarisk species along the Price River and adjacent watersheds from the town of Helper to Wellington. This committee is planning future projects with a watershed wide approach and immense interagency efforts.

Potential Risks: A delay in re-vegetating this 16 acre cleared parcel could result in an influx of non-native invasive species such as Russian olive, tamarisk, Russian knapweed and cheatgrass.

Proposed Methods: This is a riparian restoration project which will focus on replanting 16 acres of cleared Russian olive and tamarisk along the Price River with seed, potted stock, tube stock and pole plantings. This project is part of a much larger effort with the Price River Enhancement Steering Committee to remove all Russian olive and tamarisk from the town of Helper to Wellington.
July 2009- September 2009: Plan planting efforts with Price River Enhancement Steering Committee.

Summer 2009: Work with USU Extension Professional Ron Patterson to incorporate goats as a research effort to minimize Russian olive resprouts. Research has shown that goats prefer willows first, then Russian olive, and that grasses were avoided unless there wasn't anything else growing.

October 2009 (late fall or early spring): Plant cottonwoods and willows with Water Jet Stinger or wattle plantings. Disperse seed mix using broadcast method, Rangeland Drill or harrow.

Carbon County Weed Department is responsible for management of any re-growth from the Russian olive and tamarisk and other invasive species.

Shapefile Name: HPD 2010\GIS Shape Files - Proposals\SER\1402.shp

Seed Source: GBRC

UPCD Reg Team Coord Date: 12/02/2008

Proposed NEPA Action:

Proposed Arch Action:

Tuesday, January 06, 2009 11:48:19 A

Project Proposal

☐ **Vegetation Monitoring** ☐ **Wildlife Monitoring**

Monitoring Information: The Division Water Quality has taken water samples prior to nonnative removal, and will continue to monitor the after effects of removing the nonnative vegetation and replanting efforts.

Grazing Management: No Grazing Management plan needed

SPECIES BENEFITING

Bluehead Sucker

LAND OWNERSHIP

Owner	Acres
Private	2
UDOT	5
Price City	8
Carbon County	1
Total	16

PROPOSED FUNDING

Source	Amount Requested	Date Approved	Amount Approved
DNR Watershed (FY10)	\$23,700.00		\$0.00
FFSL	\$3,500.00		\$0.00
Carbon County	\$2,000.00		\$0.00
FFSL	\$50,000.00		\$0.00
UDWQ	\$1,500.00		\$0.00
Price City	\$3,500.00		\$0.00
UACD	\$1,500.00		\$0.00
	\$0.00		\$0.00
Totals	\$85,700.00		\$0.00

PROPOSED BUDGET

Item	Description	DWR Account	In Kind/ Partner Contrib.
Personal Services		\$20,000.00	\$10,000.00
Equipment Rental		\$0.00	\$2,000.00
Materials and Supplies		\$2,500.00	\$0.00
Seed (GBRC)	12 acres @ \$75/acrs	\$1,200.00	\$0.00
Contractual Services	cut, spray and chip the 16 acres	\$0.00	\$50,000.00
Totals		\$23,700.00	\$62,000.00